

SIEMENS

Selection and application guide

Residential Standby Power Systems

For residential generators

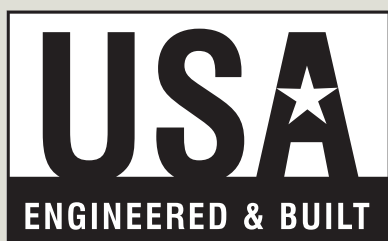


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ASGE Home Standby Generator 5 Year Limited Warranty	
Years 1 & 2	Limited comprehensive coverage on millage, labor, parts
Year 3	Limited comprehensive coverage on parts
Years 4 & 5	limited comprehensive coverage on engine (short block) & alternator (rotor and stator) parts only

*A Siemens ATS is highly recommended to be used in conjunction with the generator set. If a non-Siemens ATS is substituted for use and directly causes damage to the generator set, no warranty coverage shall apply.

- Siemens or Generac Manufactured ATS

Industry leading system controls



Evolution controller for air cooled generators

Type "E" Evolution Digital LCD Controller

Functions include monitoring utility power, triggering the automatic transfer switch, starting and stopping the generator, exercising the generator, and monitoring the generator for any system faults.

• High Voltage Shutdown

Shuts down the generator at >130% rated voltage for 200 milliseconds or >110% for 5 seconds to better protect home owner appliances or connected items.

• Low Voltage Shutdown

Shuts down the generator at <60% voltage for 5 seconds to better protect home owners appliances or connected items.

• Internal Fault Shutdown

Shuts down the generator when a failure is detected within the Evolution Controller for more protection and easier diagnostics.

• Battery Sentinel

Monitors the battery and charging system to indicate that the battery is trending towards failure or that it has failed.

• Event Log

All generators 8-22 kW feature a full event log capable of recording 50 events.

• Smart Battery Charger

Only delivers a charge to the battery when needed. Battery charge depends on ambient air temperature.

• Voltage Regulation

With the combination into the Evolution Controller, the voltage regulation delivers an industry leading voltage regulation +/- 1%.

• Product Activation

Requires each generator to be activated via website or phone before automatic function is enabled - Allows a warranty activation start point for every generator sold.

• External Common Fault Alarm

The Evolution Controller has a provision to connect to a set of contacts that will allow for a common alarm when any of the generator shut downs occur- This will allow individuals to connect into security systems, home automation systems or simply drive a different alarm within a home or business.

• Adjustable generator start time

When utility fails, the control is factory set to delay 10 seconds prior to starting the engine. **There is also the capability to change the delay time between 2-1500 seconds .**

• Incorrect Wiring Error

Eliminates the potential of damaging the Evolution Controller if it is not connected properly, a warning message is displayed that must be corrected before the controller is allowed to be fully operational.

Air Cooled Evolution Controller Stack up

Orange text indicates a new feature or different way of annunciation

Display	Alarms	Dealer service features/menus	Key miscellaneous
<ul style="list-style-type: none"> ✓LCD Display ✓LED Backlit Membrane Keypad ✓Time & Date ✓Alarm Log ✓Run Log ✓Maintenance Log & Reminders ✓Set Exercise via Display ✓Run Hour Display ✓Battery Condition ✓Quad-lingual Display (Portuguese) ✓Quiet Test Selection ✓Fuel Selection ✓Elimination of "Inspect" prompt ✓Capture of Dismissal of Maintenance Reminder Prompt ✓Variable Start Up Delay between 2-1500 seconds 	<ul style="list-style-type: none"> ✓Generator Over Voltage ✓Generator Under Voltage ✓Underspeed/Fail to Xfer ✓Low Battery Voltage ✓High Engine Temperature ✓Low Oil Pressure ✓Overcrank ✓Overspeed ✓RPM Sensor Loss ✓Internal Fault ✓Low Fuel Pressure (QT only) ✓Wiring Error ✓External common fault alarm ✓Overload Warning/Cooldown ✓Low Battery/Battery Problem ✓Charger Warning ✓Charger Missing AC ✓Stepper Over Current ✓Fuse Problem ✓Radio Signal Indication 	<ul style="list-style-type: none"> ✓Improved Smart Battery Charger ✓Charging Status ✓Battery Voltage ✓USB Port ✓Generator Output Voltage ✓Output Frequency & RPM ✓Utility Input Voltage ✓Software & Hardware Version ✓Boot Loader Version ✓Command Status ✓Voltage Calibration ✓Parameter Group ✓Voltage Code ✓Maintenance Hard Reset ✓Edit Run Hours (controller replacement) ✓Maintenance Schedule ✓Service/Monitoring Port ✓Serial Number ✓Debug ✓Updateable Firmware Prompts ✓Brown Out Voltage 	<ul style="list-style-type: none"> ✓Compatible with Cellular Monitoring ✓Product Activation ✓Voltage Regulator ✓Exercise not set error

•Certain faults will also have an associated E-code after the general message to specifically call out what the exact problem for more exact/quick diagnosis

Generator features

Substructure

Galvannealed substructure for excellent rust protection.

Natural gas/liquid propane fuel setup

The 8 - 22 kW units ship from the factory ready for use with natural gas. The conversion to propane is as simple as turning a knob. No tools required!



Exhaust enclosure

Verify spacing with local code and inspector, prior to installation. Typically, the generator must be placed away from any opening in the house due to exhaust regulations from NFPA guidelines.

Wind resistant housing

150 MPH wind resistant design on both steel and aluminum units, ASCE 7 Standards. Electrostatically applied textured epoxy paint for added durability.

Composite base

Air cooled units are provided with composite mounting pad. Liquid cooled units require a concrete slab.

Oil dipstick, low oil switch, high temperature switch, oil filter, oil drain hose

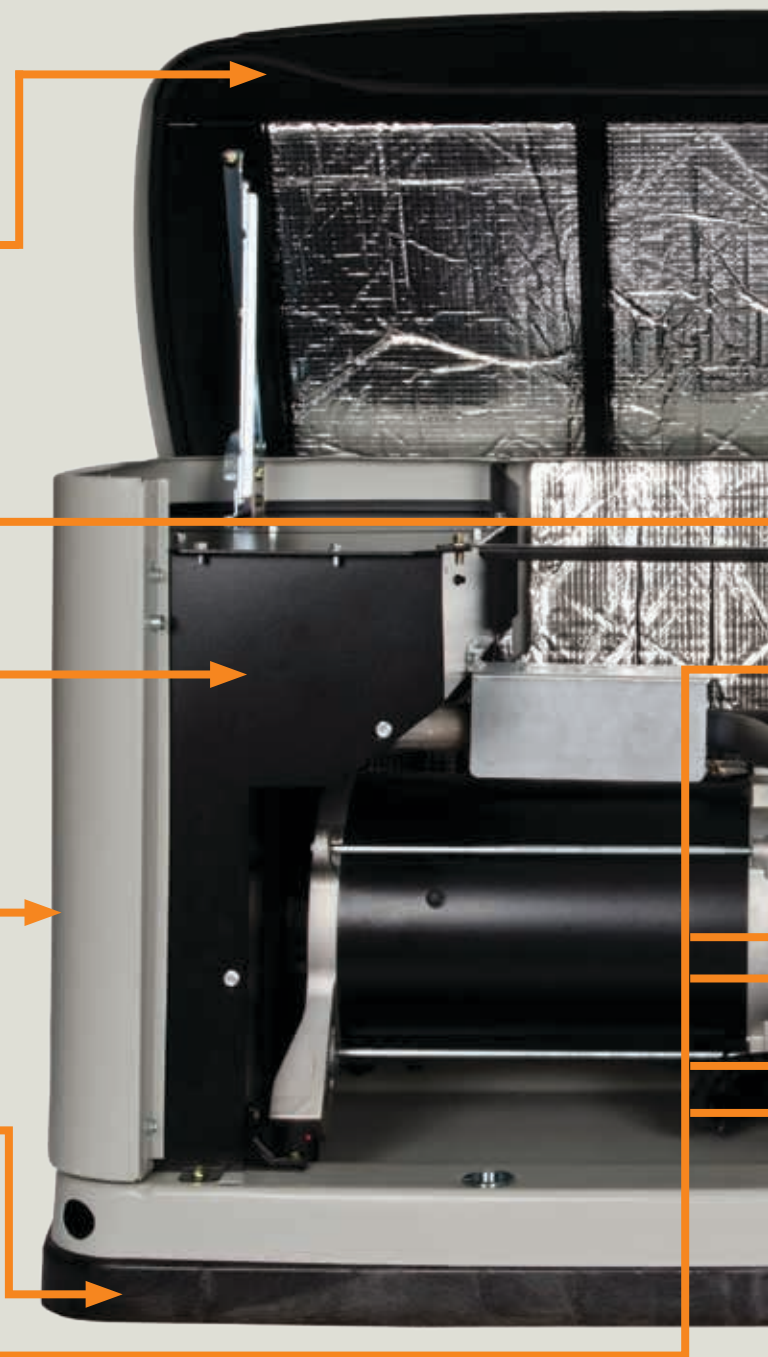
Break in periods are not required on Siemens standby generators to initiate the warranty, but are recommended.

Snap-in cover plate

Easy access for remote wireless monitor. Refer to page 12 for monitor offering.

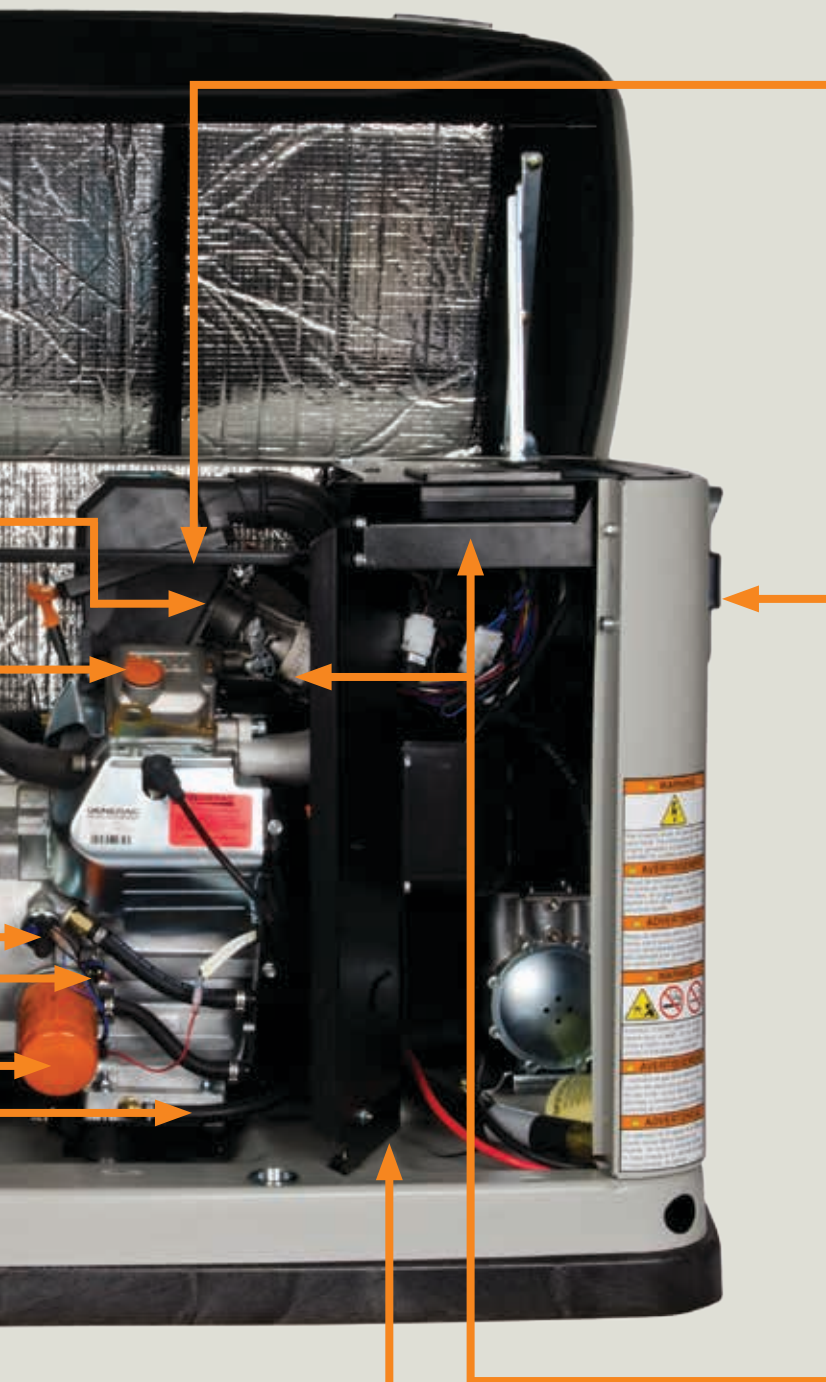
Fuel line connection

A section of UL or AGA approved flexible fuel line is required to protect the rigid fuel line connections against generator vibration. 1' flexible fuel line connector is included.



Generator back view





Air filter

Prolong the life of your engine through routine maintenance and ensure warranty requirements are met.

Maintenance is recommended annually or every 200 hours. For 8 - 17 kW and every 100 hours for 22 kW.

Refer to page 12 for maintenance kit offerings.

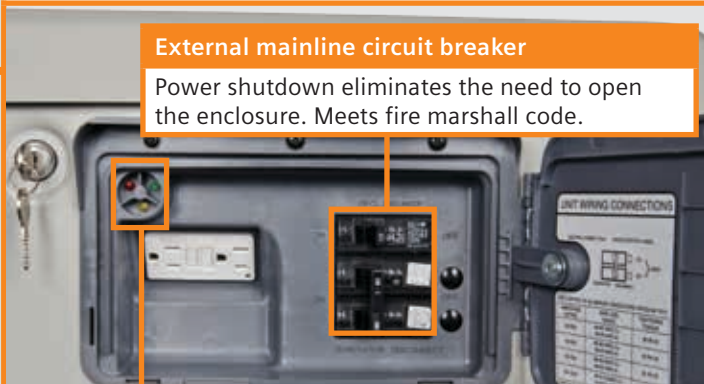


External breaker connections

180° swing door capability and prop rod allows full range of motion for ease of access during installation as well as servicing on 8 - 22 kW units.

External mainline circuit breaker

Power shutdown eliminates the need to open the enclosure. Meets fire marshal code.



LED indicator lights included on 8-22 kW

- Green = Generator OK
- Yellow = Maintenance needed (not on 8-14kW)
- Red = Contact dealer



New features

New Brighter LED indicator lights
Door improvement with lip to prevent water from leaking in.

Control panel

Evolution controller functions include monitoring utility power, triggering the automatic transfer switch, starting and stopping the generator, exercising the generator, and monitoring the generator for any system faults. Combines the voltage regulator, engine control board and battery charger into one single item - Brings more functionality to the generator control for a smarter power solution

Product Activation is required on all Evolution Controlled Models to engage automatic transfer mode. Generator will operate in manual mode until activation code is entered. Easy, one-time activation process can be completed in shop or on-site.

Data label is located inside the generator. Serial number is required for generator activation.



Larger battery compartment

Batteries are not included and must be purchased separately. The recommended battery is a 26 frame battery capable of 525-550cca.



Catalog Logic

Easy order selection guide

Standby power generators		kW ratings ^①	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Fuel G = Natural Gas P = Liquid propane vapor B = Accepts both	Enclosure S = Steel A = Aluminum	Speed Blank = 3600 RPM L = 1800 RPM T = Turbo Charge ^②	Emissions E = Catalyst ^③
Air cooled	ASGE	8 ^④	R	B	S		
		11 ^④	R	B	S, A		
		16	R	B	S, A		
		20	R	B	S		
		22	R	B	S, A		
Liquid cooled	SGN	22	R, C, J	B	A	L	
		25	R, C, J	B	S		
		27	R, C, J	B	A	L	
		30	R, C, J	B	S		
		36	R, C, J, I	B	A	L	
		45	R, C, J, I	B	S		E
		48	R, C, J, I	B	A	L	E
		60	R, C, J, I	G, P	S, A	T	
		70	R, C, J, I	G, P	A	L	E
		80	R, C, J, I	G, P	A		
		100	R, C, J, I	G, P	A	L ^⑤	E
		130	R, C, J, I	G, P	A		E
		150	R, C, J, I	G, P	A		E

Transfer Switches ST = Indoor Branch Circuit SL = Outdoor SE = Outdoor	Amperage	Voltage R = 120/240V, 1Ø C = 120/208V, 3Ø J = 120/240V, 3Ø I = 277/480V, 3Ø	Service disconnect Blank = No D = Yes	Branch circuits
ST	50	R		10C, 12C,
	100			14C, 16C
SL	100, 150, 200, 400, 600, 800	R, C, J, I	Blank, D ^⑥	
SE	100, 150, 200, 300, 400	R	Blank, D ^⑥	16C

① 2300 RPM

② 3600 RPM

③ Catalyst option on 45, 48, and 70kW models. Catalyst factory installed on 100-130kW models

Catalyst meets CARB/EPA requirements for CA and MA. 36, 60, and 80kW models do not meet CARB/EPA requirements for CA and MA.

④ Disconnect only available on 100, 150, 200, and 400A SL single phase transfer switches.

⑤ Battery not included with 8-60kW.

⑥ Catalyst factory installed. Catalyst meets CARB/EPA requirements for CA and MA. There will NOT be an "E" suffix on the catalog number.

Air cooled standby generators

8, 11, 16, 20, & 22 kW, 120/240V single phase



Standard features

- UL 2200 Listed
- Four-cycle industrial engines provide durable, reliable, long life
- Operate on either natural gas or propane vapor^①
- Composite mounting pad approved to eliminate need to pour concrete pad^②
- Automatic high temperature, low oil pressure, over speed, and over crank shut down
- Low battery voltage indicator
- Standard safety fuse
- Provided with Type "E" Evolution controller

Typical load requirements^③

Description	kW
Electric Heat per 1,000 ft. ^②	12.0
Heat Pump Elements per 1,000 ft. ^②	7.0
Dryer	5.5
Hot Tub	5.0
Range Oven	5.0
Hot Water Heater	4.5
Stove Top Burner	1.5
General Receptacles per 1,000 ft. ^②	1.0
Dishwasher	1.5
Blow Dryer	1.3
AC (per ton)	1.0
Microwave	1.0
Toasters	1.0
Lighting per 1,000 ft. ^②	0.8



Air Cooled Generators are ideal for smaller single family residential constructions, or partial loads on larger residential constructions. These panels can help support critical loads most required when power is interrupted.

Catalog no.	kW rating ^③	Fuel ^①	Enclosure	Engine size	Speed	Weight (lbs.)	Dimensions (in.)	Maintenance Kits
ASGE008RBS	8	Both	Steel	410CC	3600 RPM	360	48 x 25 x 29	GENMKIT19
ASGE011RBS	11	Both	Steel	530CC	3600 RPM	407		GENMKIT20
ASGE011RBA	11	Both	Aluminum	530CC	3600RPM	407		GENMKIT20
ASGE016RBS	16	Both	Steel	992CC	3600 RPM	513		GENMKIT21
ASGE016RBA	16	Both	Aluminum	992CC	3600 RPM	448		GENMKIT21
ASGE020RBS	20	Both	Steel	999CC	3600 RPM	516		GENMKIT22
ASGE022RBA	22	Both	Aluminum	999CC	3600 RPM	526		GENMKIT22

① Product ships ready for natural gas. Minor adjustments required for liquid propane vapor use. See owners manual.

② Check local code requirements.

③ Battery not included with air cooled models 8-22kw. Refer to page 12 for 26R battery.

Transfer Switches



SE Type transfer switches

Transfer switches provide the mechanism for transferring power between utility and generator service. Engineered with Digital Power Management (DPM) technology, 100-400A single phase SE Type transfer switches have the ability to cycle on and off two air conditioners without adding additional components, allowing for a smaller generator to cover more circuits than when paired with a standard transfer switch.

Features and ratings

- 100-400A
- Open transition
- Cover more circuits with a smaller generator
- Cover every circuit when paired with a higher kW generator
- Add additional PMM modules (6186) and manage up to four more large loads on single phase SE type transfer switches
- Outdoor NEMA 3R aluminum enclosure
- Service rated and non-service rated
- Compatible with Evolution and NEXUS controllers

Catalog no.	Amp	kW rating	Branch circuits	KA rating (Amp)	Wt. (lbs)	Dimensions (in.)	NEMA rating	Enclosure
SE100R	100	8 - 22	-	10,000	20	20 x 14.6 x 7.09	3	AL
SE100RD*		8 - 22	-		23	20 x 14.6 x 7.09	3	AL
SE150RD*	150	8 - 22	-	10,000	39	30 x 13.5 x 6.3	3	AL
SE200R	200	8 - 22	-	10,000	20	20 x 14.6 x 7.09	3	AL
SE200RD*		8 - 22	-	10,000	39	30 x 13.5 x 6.3	3	AL
SE200RDPM*		8 - 22	16	10,000	80	42.3 x 20.1 x 7.9	3	AL
SE300RD*	300	8 - 22	-	22,000	140	48 x 21.82 x 10.06	3	ST
SE400R	400	8 - 22	-	22,000	133	36 x 24 x 10.6	3	ST
SE400RD*		8 - 22	-	22,000	140	48 x 21.82 x 10.06	3	ST



"ST" Type transfer switches*

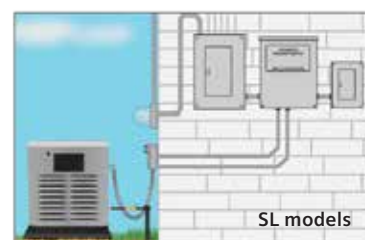
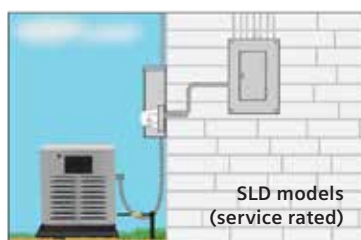
"ST" type transfer switches are compatible with the Evolution and NEXUS controllers. The controller senses power outages and initiates the transfer of power to the generator via the automatic transfer switch.

Features and ratings

- 30 ft. pre-wired conduit for connecting the transfer switch to the external connection box
- 2 ft. pre-wired conduit for moving circuits from the main panel to the transfer switch
- Pre-wired external connection box with a weatherproof conduit for generator connections
- Compatible with Evolution and NEXUS controllers
- Electrically operated, mechanically contacts for fast, positive connections
- Rated for all classes of load, 100% equipment rated, both inductive and resistive
- 160 millisecond transfer time
- 50 amps = 10 & 12 circuit, single coil design, flush mountable
- 100 amps = 14 & 16 circuit, dual coil design
- Main contacts are silver plated or silver alloy to resist welding and sticking
- Suitable for use only on air cooled products (8-17 kW)
- Open transition
- Express install kit included

Catalog no.	Amp	kW rating	Branch circuits	KA rating (Amp)	Wt. (lbs)	Dimensions (in.)	NEMA rating	Enclosure
ST050R10C	50	8	10	10,000	57	22.5 x 15.4 x 3.8	1	ST
ST050R12C		11	12		61		1	ST
ST100R14C	100	14	14		64	29.25 x 12.5 x 7	1	ST
ST100R16C		17	16		68		1	ST

*Disconnect included



Power Manager Transfer Switch



Power Manager transfer switch

The Siemens "Power Manager" Transfer Switch is designed with a built-in 16 circuit load center, this Evolution and Nexus compatible switch is the answer when more than six large loads need to be managed. Power Manager is a "SE" type transfer switch and is compatible with units 8-48kW.

Catalog no.
SE200RDPM

Features and ratings

- Built-in 16 circuit priority load center
- Main contactor protects essential circuits
- Secondary contactor protects non-essential circuits
- NEMA 3R / outdoor enclosure
- Side-opening hinged cover
- Conforms to 2008 NEC sizing standards
- 200A, service entrance rated
- Dimensions (Inches) 42 x 20 x 7.25
- Interrupt rating: 10,000 AIC
- Weight: 75 lbs.

Generator Ready Load Center

NOTE:
GENTFRSWTCH is sold separately from Gen ready panel!



The Siemens Generator Ready Load Center can save thousands of dollars in future generator installation expenses while keeping initial expenses to a minimum. Works with an automatic standby generator or a portable generator.

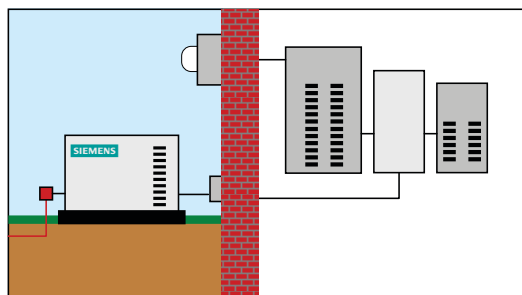
Catalog no.
ECSBPK01 (mechanical interlock for manual or portable generation installation)
GENTFRSWTCH (auto transfer switch for automatic standby generation installation)

Automatic Transfer Switch features:

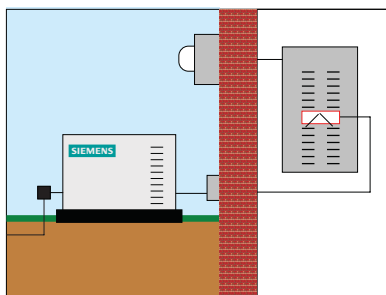
- UL Listed
- Operates automatically when connected to generator
- Transfers load from utility to generator and back to utility
- Includes: Q215 and Q2125S needed for installation

Features:

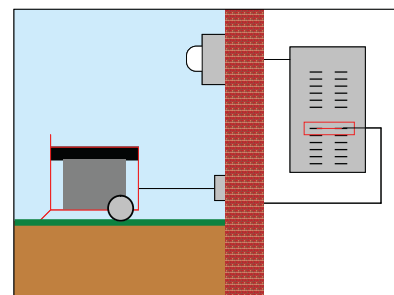
- NEMA 3R / Indoor Type 1
- 225A max rated
- Flush or surface mounting
- Fits between standard stud centers
- Tin plated copper bus bars
- 22 kAIC rated
- 120/240V, 1 Phase
- Main lug – convertible to main breaker with addition of MBK150A, MBK200A, or MBK225A
- Installation of transfer mechanism can be performed at time of generator installation



Traditional Installation



Generator Ready Load Center with Automatic Standby generator installation



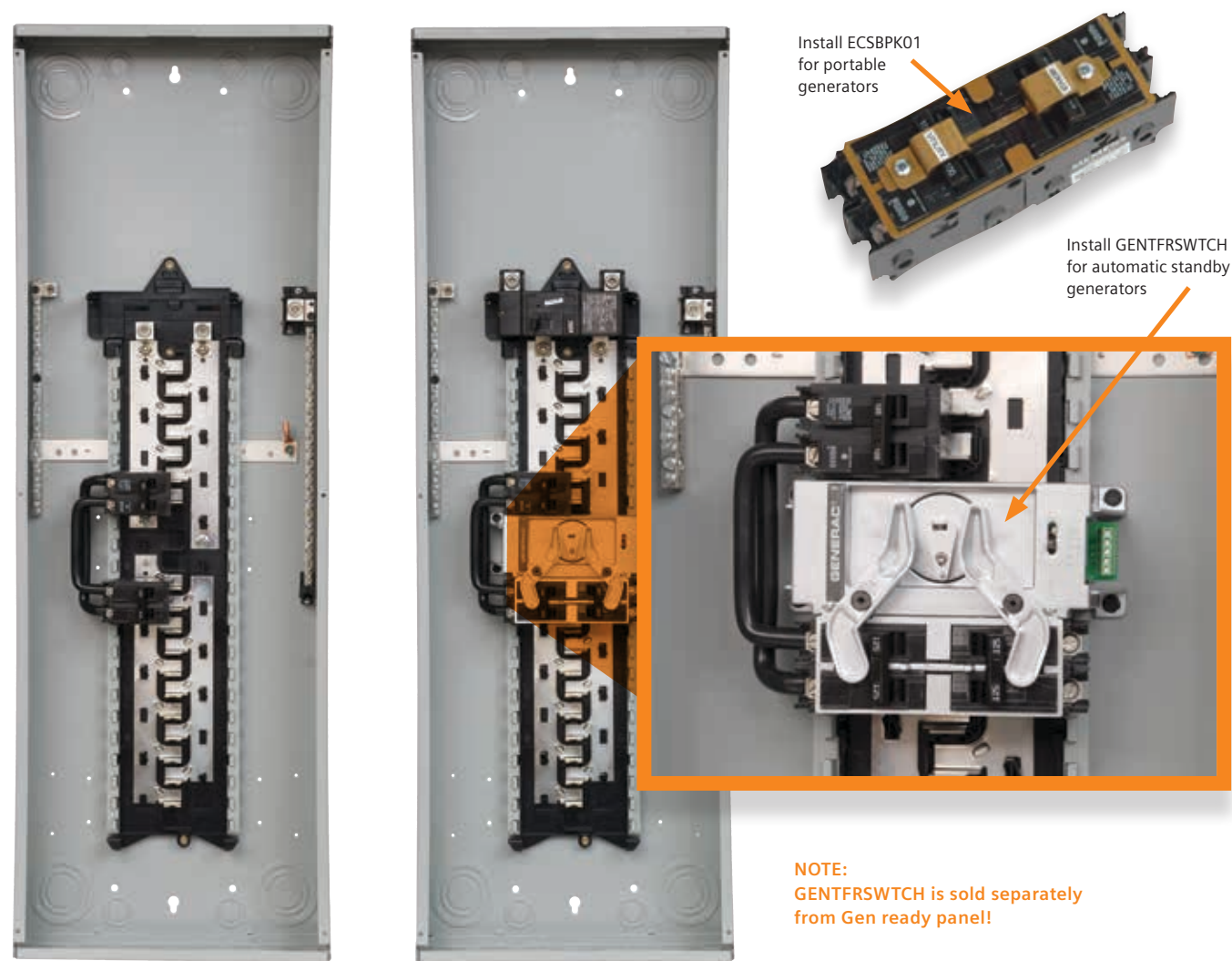
Generator Ready Load Center with Portable Generator installation

Generator Ready Load Center (cont.)

200A Main Breaker										
Brand	One inch spaces*	Max circuits*	Indoor enclosure - NEMA Type 1				Outdoor enclosure - NEMA Type 3R			
			Catalog number	Dimensions (inches)			Catalog number	Dimensions (inches)		
				Height	Width	Depth		Height	Width	Depth
Siemens	30	42	G3042B1200GEN	42.00	14.25	4.00	W3042B1200GEN	42.00	14.63	4.00
Murray	30	42	LC3042B1200GEN	42.00	14.25	4.00	LW3042B1200GEN	42.00	14.63	4.00

225A Main Lug										
Brand	One inch spaces*	Max circuits*	Indoor enclosure - NEMA Type 1				Outdoor enclosure - NEMA Type 3R			
			Catalog number	Dimensions (inches)			Catalog number	Dimensions (inches)		
				Height	Width	Depth		Height	Width	Depth
Siemens	30	42	G3042L1225GEN	42.00	14.25	4.00	W3042L1225GEN	42.00	14.63	4.00
Murray	30	42	LC3042L1225GEN	42.00	14.25	4.00	LW3042L1225GEN	42.00	14.63	4.00

*2 spaces & 2 circuits are reserved for standby generator installation.



G3042L1225GEN

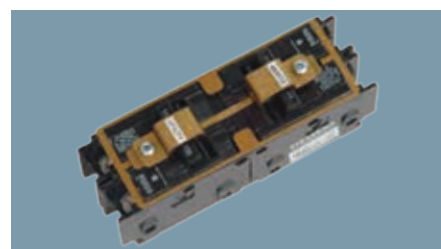
Portable generators

5.5, 6.5, 7.5, 8, 15, 17.5 kW



Features and ratings

- Ideal for residential emergency and job-site power
- Gasoline powered, OHV engine
- Include handles and wheels for easy movement
- Hour meter included
- Large variety of outlets
- Low noise muffler
- 2 year residential warranty
- Easily integrated into home electrical systems with Siemens breaker interlock kits (pictured below)



	PG0055	PG0065	PG0075E ^①	PG0080E ^①	PG015 ^①	PG017 ^①
Rated Power	5.5 kW	6.5 kW	7.5 kW	8 kW	15 kW	17.5 kW
Surge	6.875 kW	8 kW	9.37 kW	10 kW	22.5 kW	26.2 kW
Rated Amps @ 60Hz 120/240, 1Ø, 1.0 pf	22.9	27.1	31.2	33.3	62.5	73
Engine RPM	3600	3600	3600	3600	3600	3600
Fuel Capacity (gallons)	6.6	6.6	8	8	16	16
Dimensions (inches)	34 x 26.5 x 27.5	34 x 27 x 28	28.75 x 26.75 x 26	34 x 27 x 28	39 x 31 x 49	39 x 31 x 49
Weight (lbs)	180	172	201	192	450	475

① Manual Electric Starter



Portable Accessories:

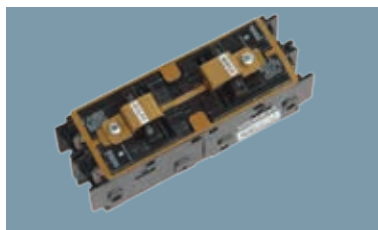
- 5715 - Lifting Beam Kit; 6.5 kW & 8.0 kW

Refer to page 12 for Portable Maintenance Kits

Load Centers

Manual Transfer Interlock Kits for Load Centers and Meter Combinations

Convert load centers or meter combinations into standby power panels



Standard features

- UL listed for use in most Siemens load centers and meter combinations
- Suitable for use with optional standby systems in accordance with article 702 of the National Electric Code
- Corrosion resistant finish
- Easy assembly requiring no modifications to the load center or meter combination
- Remains attached to the main breakers when load center cover

Panels in which the bussing or wire forms from the meter socket land on main lugs are not acceptable for use in standby systems because turning the main breaker to "OFF" does not prevent feedback to the utility power lines. Examples of such panels include catalog numbers that start with the following letters.

MC0606L1200*

MM0406L1*

MC1212L1200*

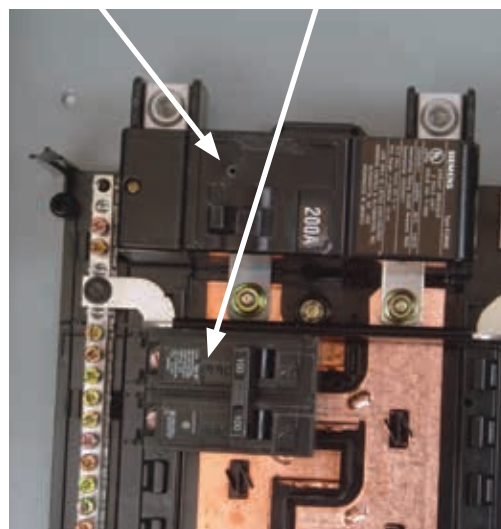


Wire forms or bussing



Utility main breaker

Standby power main breaker



To activate standby power the utility main breaker must be in the "OFF" position to prevent dangerous feedback between the power sources.

Acceptable usage of Interlock Kits by load center/meter combination catalog numbers

ES Series Load Centers can utilize interlock kits: 1, 2, 5, 6, 7. Kits 3 and 4 can also be used on main breaker panels.

PL Series Load Centers can utilize interlock kits: 1, 2, 3, 4, 5, 6, 7.

Numbers 1 through 9 in these tables represent the last digit in each interlock kit catalog number. Example: 1 = ECSBPK01

When used in horizontal positions as typical in most load centers, ECSBPK07 is recommended for use only with QNR type circuit breakers.

Standby power interlock kits are not intended for use with AFCI, GFCI, 3-pole or 1/2" frame circuit breakers and 4 space, 125 amp load centers.

Siemens type EQ load centers using a "4-pole" main breaker do not have a kit available to interlock this main to branch circuits. Branch circuit positions can be interlocked.

Siemens Meter Combinations

MC0816B1150RTH	5 7	MC2040B1200	5 7
MC0816B1150T	5 7	MC2040B1200R	5 7
MC0816B1150TH	5 7	MC2442B1200FEC	2
MC0816B1200FCTM	2	MC2442B1200SEC	2
MC0816B1200RT	5 7	MC3040B1200SECW	5 7
MC0816B1200RTB	5 7	MC3042B1200FED	3
MC0816B1200RTH	5 7	MC3042B1200SED	3
MC0816B1200SCTM	2	MC3042B1225FED	3
MC0816B1200T	7	MC3042B1225SED	3
MC0816B1200TH	5 7	MC4040B1200SECW	5 7
MC0816B1350RLTM	5 7	MC0816B1200RJB	8
MC0816B1400RLTM	5 7	MC0816B1150RJB	8
MC1224B1100FEC	2	MC0816B1200RCT	8
MC1224B1100SEC	2	MC0816B1150RCT	8
MC1224B1125	1 2	MC0816B1200CT	8
MC1224B1125FEC	2	MC0816B1150CT	8
MC1224B1125SEC	2	MC2040B1150RCT	9
MC1632B1100SEC	2	MC2040B1150CT	9
MC1632B1125FEC	2	MC2040B1200RCT	9
MC2040B1150	5 7	MC2040B1200CT	9

Manual transfer interlock kits

Prevents dangerous feedback between two sources of power

Catalog number	Usage Information	Utility main breaker types	Standby main breaker types	Interlock number
 ECSBPK01	For use on load centers or meter combinations that will accept 2-pole circuit breakers opposite one another as shown.	QP, QPH, HQPH	QP, QPH, HQPH	1 
 ECSBPK02	For use on load centers or meter combinations that will accept 2- or 4-pole next to a 2-pole circuit breaker side by side as shown.	QP, QPH, HQPH	QP, QPH, HQPH	2 
 ECSBPK03	For use on Ultimate™ and Rock Solid load centers, 150 amp and higher, to connect the main breaker to a 2-pole circuit breaker.	MBK150A, MBK200A, OR MBK225A	QP, QPH, HQPH	3 
 ECSBPK04	For use on Ultimate and Rock Solid load centers, 125 amp and lower, to connect the main breaker to a 2-pole circuit breaker.	MBK100A or MBK125A	QP, QPH, HQPH	4 
 ECSBPK05	For use on load centers or meter combinations that will accept a QNR (MD-TR) frame circuit breaker next to a 2-pole circuit breaker as shown.	QNR, QNRH, HQNR	QP, QPH, HQPH	5 
 ECSBPK06	For use on load centers or meter combinations that will accept a QN (MD-T) frame circuit breaker next to a 2-pole circuit breaker as shown.	QN, QNH, HQN	QP, QPH, HQPH	6 
 ECSBPK07	For use on load centers or meter combinations that will accept two QNR (MD-TR) circuit breakers side by side as shown OR will accept two QN (MD-T) circuit breakers side by side as shown.	QNR, QNRH, HQNR, QN, QNH, HQN	QNR, QNRH, HQNR, QN, QNH, HQN	7 
 ECSBPK08	For use on 8 space, over/under, OH/UG feed meter combinations as shown. Limited application to specific catalog numbers.	QPP, QPPH	QP, QPH, HQPH	8 
 ECSBPK09	For use on 20 space, over/under, OH/UG feed meter combinations as shown. Limited application to specific catalog numbers.	QPP, QPPH	QP, QPH, HQPH	9 

Standby generator ratings / maintenance kits

Generator ratings							
kW rating (LP/NG)	Rated amps	Engine RPM at full load	Natural gas fuel consumption (ft ³ /hr)	Liquid propane vapor consumption N(gal/hr)	Propane vapor consumption ft ³ /ft	Sound level at normal load	Sound level at exercise
8/7	35	3600	118.9	1.47	51.4	62	N/A
11/10	50	3600	160.3	2.08	72.7	63	N/A
16/16	65	3600	312	3.57	130	66	60
20/18	90	3600	303.4	3.99	139.5	66	60
22/19.5	100	3600	281	3.68	127	67	58

for Btu content, multiply ft³/hr x 2520 (LP) or ft³/hr x 1000

Oil and Air Filter Kits			
ASGE		ASGN	
Catalog no.	Usage	Catalog no.	Usage
GENMKIT19	8 kW 410cc	GENMKIT10	8 kW 410cc
GENMKIT20	11 kW 530cc	GENMKIT2	10 kW 530cc
GENMKIT21	14, 16 kW 992cc	GENMKIT3	14, 17 kW 990cc
GENMKIT22	20, 22 kW 999cc	GENMKIT11	20 kW 990cc
		PORTMKIT1	Portable 15, 17.5 kW
		PORTMKIT2	Portable 5, 6.5 kW
		PORTMKIT3	Portable 8 kW

Maintenance Kits

Just like an engine in an automobile, generator engines require routine maintenance. Service kits, which include oil and air filters, are available and are selected based on engine size. Touch up paint is also provided to help cover minor scratches.

Accessories	
Catalog no.	Usage
Battery*	525cca group 26R
5621	Auxiliary Transfer Switch Contact
GENPAINT	Gray Touch Up Paint for 2007 units
GENPAINT2	Generator Spray Paint Gray Textured
GENSHELL2	Display shell, gray color
6212	Air Cooled Cold Weather Kit
6186	PMM module
6199	PMM Starter Kit
6424	Brown Out Kit
5951	The Wireless Generator Monitoring System provides remote monitoring capability for convenient indoor observation. By adding this item, a generator owner can observe generator function, set certain operation parameters and receive maintenance reminders. Advanced Wireless Remote in Home Monitor
5928	Standard Wireless Remote in Home Monitor
GENCART	The Generator Transport Cart is designed to allow a single individual to move and position any of the air-cooled generators without the need for additional people or equipment. By attaching the cart to the generator through the lifting holes, the generator is lifted from the pallet by leverage and is easily wheeled to the appropriate location for final setting
5666	The pad skirt snaps together around the bottom of the new 20kW generators. This offers a sleek, contoured appearance as well as offering protection from rodents and insects by covering the lifting holes located in the base. Available in grey, the pad skirt fits 20kW generators manufactured after 4/2008.



* Not included

Mobile Link

Cellular remote monitoring system for your generator

6463 – Mobile Link

6478 – Liquid-Cooled Extension Cable

Note: this cable is required with Mobile Link for all liquid-cooled units.

Compatibility:

Mobile Link is designed for use with a generator equipped with an LCD display. Mobile Link is compatible with most 2008-and-newer air-cooled standby generators and 2010-and-newer liquid-cooled standby generators.

Note: Please ensure you have cellular service in your area before purchasing.

Email or Text Notifications:

StandbyStatus.com provides over 40 different notifications, including successful exercise, maintenance reminders, change in status, low battery, fault alert and more:

- When maintenance is required or fault conditions occur, StandbyStatus.com automatically sends out alerts
- Dealer gets accurate data and can respond quickly and efficiently to problems
- Customers designate up to 4 different accounts to receive email and text notifications, including their dealer, so that they can discuss options with the customer to address the generator's issues.
- Notifications drive regular, timely communication with the customer

StandbyStatus.com:

StandbyStatus.com features a user-friendly dashboard that allows the customer to check their generator's status anytime, anywhere:

- View current generator status and upcoming maintenance needs
- Remotely set exercise schedule
- Review run and maintenance history
- Get local weather updates
- Change messaging settings



Unit Status

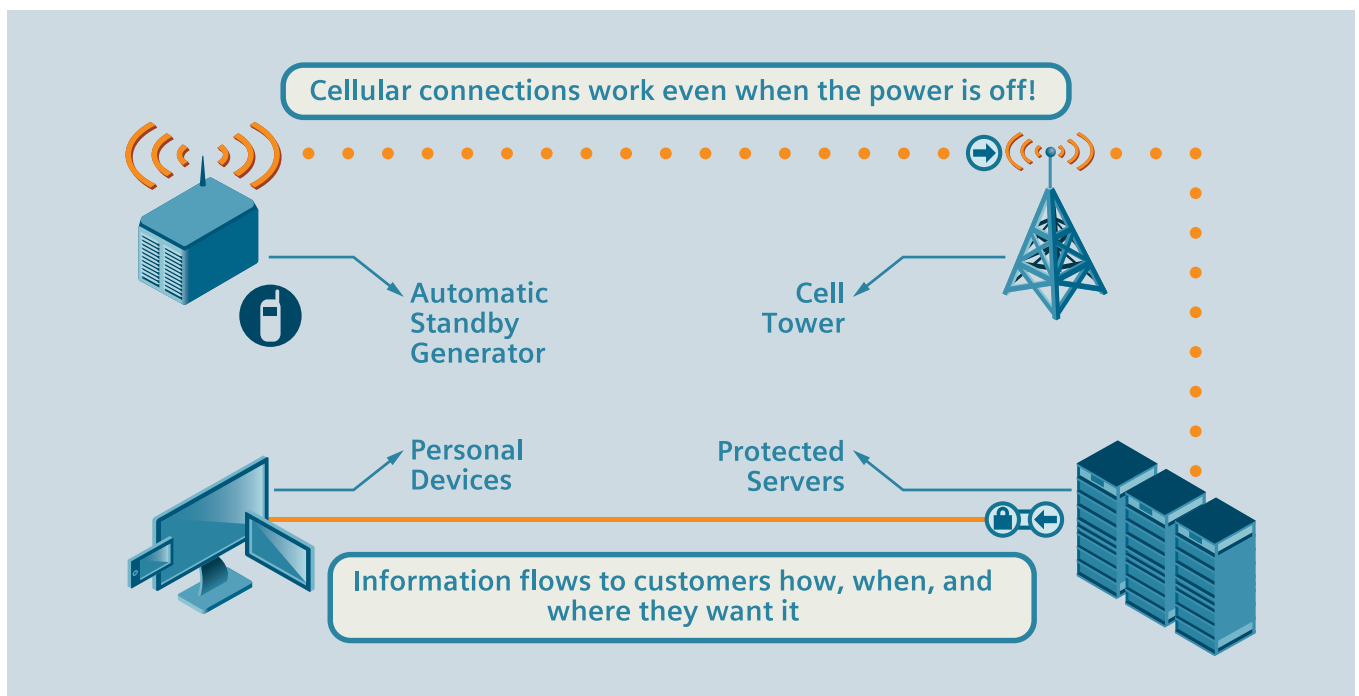


Battery Voltage



Frequency (Hz)

How does it work?



Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

www.usa.siemens.com/generators

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